

1 article in the New England Journal of Medicine in  
2 1981.

3 Again, let me repeat that those articles are  
4 admitted not for the truth asserted in those  
5 articles, but just for the fact that information was  
6 either known or available to the defendant.

7 You may call your next witness.

8 MS. DESCHAMPS-BRALY: The plaintiff would  
9 call Doctor Kent Westbrook.

10 KENT WESTBROOK, M.D.,  
11 called as a witness on behalf of the plaintiff, being  
12 first duly sworn, testified as follows:

13 DIRECT EXAMINATION

14 BY MS. DESCHAMPS-BRALY:

15 Q. Doctor Westbrook, would you be kind enough  
16 to introduce yourself for the Court and the jury,  
17 please.

18 A. I'm Kent C. Westbrook.

19 Q. Where do you live, sir?

20 A. I live in [DELETED]

21

22 Q. What is your profession?

23 A. I'm a surgical oncologist, which means I am  
24 a surgeon with special training in the management of  
25 cancer by surgery.

1 Q. Now, Doctor Westbrook, I know that you have  
2 told me that you don't want to brag, but we need to  
3 explain to the jury what your qualifications are to  
4 be testifying here today, so let me take you back a  
5 few years and ask you where you went to college.

6 A. I went to the University of Arkansas in  
7 Fayetteville, Arkansas.

8 Q. And where did you get your medical training?

9 A. The University of Arkansas Medical School in  
10 Little Rock, Arkansas.

11 Q. And your internship?

12 A. At the same institution. And then I did a  
13 surgery residency in that same facility.

14 Q. Where have you been practicing since that  
15 time?

16 A. Upon completion of my residency I went to  
17 the M.D. Anderson Cancer Hospital and Tumor Institute  
18 in Houston, Texas, which is one of the major cancer  
19 centers in the country. I spent a year there as a  
20 fellow and second year as what is called a faculty  
21 associate, which is a junior staff position. I  
22 stayed on another month or two after that to complete  
23 a study. Then I returned to the medical school at  
24 the University of Arkansas where I have been since  
25 1972, I guess that would be.

1 Q. Are you board certified, sir?

2 A. I'm board certified in general surgery.

3 Q. Now, would you be kind enough to tell us  
4 about some of the professional associations that you  
5 belong to.

6 A. Well, at the present time, the ones that are  
7 really pertinent here, I am a member of the Society  
8 of Surgical Oncology. That's a group of surgeons  
9 that treat cancer by surgery.

10 I am a member of the Society of Head and  
11 Neck Surgery, which are surgeons that have special  
12 training and skill in the treatment of head and neck  
13 cancers.

14 I am a member of the American Society for  
15 Clinical Oncology, which is an investigative society  
16 that's made up of specialists, surgeons, medical  
17 therapists, et cetera, that are all interested in  
18 cancer.

19 Q. Doctor Westbrook, I have a textbook in my  
20 hand entitled "Textbook of Radiology" by Gilbert H.  
21 Fletcher, the third edition. Are you familiar with  
22 that?

23 A. I think that is "Textbook of Radiotherapy,"  
24 isn't it?

25 Q. I'm sorry. "Radiotherapy," that's correct.

1           A.     This is "Textbook of Radiotherapy."  
2     Radiotherapy is the treatment of cancer with x-ray  
3     therapy. Over the years I have been involved in many  
4     areas other than just surgery.

5                 For example, during medical school I worked  
6     in the pathology department for three years,. When I  
7     was at M. D. Anderson, I came to know Doctor  
8     Fletcher, who was chief of radiation therapy, and  
9     Doctor Jesse, who was chief of head and neck, very  
10    well.

11                Doctor Fletcher asked me to review a chapter  
12    that he was writing for that book, and I, just being  
13    very young, just tore the chapter to pieces and gave  
14    it back to him.

15                He said, "Well, if it's that bad, just  
16    rewrite it." So I rewrote it. So there is one  
17    chapter in that that I wrote.

18                After I did that, he said, "Well, here's  
19    another one to work on," so there are two chapters in  
20    that book that I basically put together with Doctor  
21    Fletcher and Doctor Jesse.

22                Q.    May I ask you, sir, if you consider this  
23    book to be authoritative?

24                A.    Yes, that's an authoritative book on  
25    radiotherapy.

1 Q. Thank you.

2 Doctor Westbrook, I have another book here  
3 entitled "Cancer of the Head and Neck" -- now, I  
4 don't know whether I can get this name out quite  
5 right or not -- by James Y. Suen?

6 A. Suen, that's correct.

7 Q. And Eugene N. Meyers?

8 A. That's correct.

9 Q. Are you acquainted with this textbook?

10 A. Yes. That textbook, Doctor Suen is an  
11 associate of mine. Doctor Suen works at Arkansas  
12 with me.

13 After I came back from M.D. Anderson and had  
14 trained in head and neck surgery, I wanted to  
15 establish a head and neck cancer service at the  
16 University of Arkansas. Doctor Son is an ENT  
17 surgeon. He was the first ENT surgeon that ever got  
18 to train at M.D. Anderson. There has always been  
19 rivalry between general surgeons and ENT surgeons on  
20 who should operate on the head and neck, and Anderson  
21 was run by a group of general surgeons.

22 But Doctor Suen went down and trained in  
23 head and neck surgery at M. D. Anderson. I then  
24 recruited him back to Arkansas, and he and I together  
25 have been working in the head and neck field for many

1 years.

2 One of my roles there now is that I am the  
3 director of the Arkansas Cancer Research Center,  
4 which means that basically I'm in charge of  
5 education, research and patient care for the entire  
6 University of Arkansas Medical School. Doctor Suen  
7 now is in charge of our head and neck program, and he  
8 with Doctor Meyers put that book together several  
9 years ago, and as far as I'm concerned, it is the  
10 standard textbook for head and neck cancer today.

11 Q. Doctor Westbrook, are you acquainted with  
12 any of the authors that have made contributions to  
13 this book?

14 A. Well, if you look at the list of authors, it  
15 reads like a Who's Who in head and neck surgery in  
16 the country today. I think the first chapter was  
17 written by Doctor Richard Jesse, who was chief of  
18 head and neck surgery at M. D. Anderson when I  
19 trained there and when Doctor Suen trained there. He  
20 has since died of cirrhosis of the liver that he got  
21 from hepatitis while he was operating.

22 In addition, Doctor Elliott Strong, who's  
23 chief of the head and neck service at Memorial  
24 Hospital in New York, wrote a chapter in the book. I  
25 have a chapter in the book; Doctor Suen has a chapter

1 or two in the book. So it is made up of chapters  
2 from people all over the country, but it is  
3 considered to be the standard book in head and neck  
4 surgery today.

5 Q. I gather that means you do find it to be  
6 authoritative.

7 A. Yes, ma'am.

8 Q. Doctor Westbrook, have you been published in  
9 the literature other than the chapters that we have  
10 just been discussing?

11 A. I do not have my CV here in front of me. I  
12 have written approximately 50 articles for the  
13 general literature. I have written, I think, five  
14 chapters on head and neck cancer, some of which I  
15 have already mentioned, some of which are in other  
16 textbooks. I have made 15 or 20 movies, videotapes,  
17 et cetera, that have been shown at various meetings,  
18 some of which deal with head and neck, some of which  
19 deal with other types of cancer.

20 Q. All right, sir. Let's move on to your  
21 practice. During your years as a surgical  
22 oncologist, have you had occasion to see patients  
23 suffering from head and neck cancer?

24 A. Yes. As I said, Doctor Son and I  
25 established the first real head and neck cancer

1 program in Arkansas. In fact, we obtained national  
2 funding of \$300,000 a year to develop what was called  
3 a head and neck cancer demonstration project, and we  
4 developed a very big head and neck service with a  
5 rehabilitation service in Little Rock.

6 So I have treated head and neck cancer  
7 patients ever since my residency. I don't treat as  
8 many today as I did a few years ago because of the  
9 administrative duties that I have today.

10 Q. Now, sir, during this period of time can you  
11 give us any idea of how many head and neck cancer  
12 patients you have seen?

13 A. Well, I would say that I have personally  
14 treated probably 700, 800 or a thousand patients.  
15 Now, if you counted patients that I saw when I was  
16 working with other people, it would run up into the  
17 thousands, but I think that I have personally managed  
18 just under a thousand patients.

19 Q. Can you give me any idea of how many of  
20 those patients suffering from head and neck cancer  
21 were nontobacco users?

22 A. Oh, maybe, out of the total number -- now,  
23 when we say "head and neck cancer," I am going to  
24 exclude the skin and just limit it to the cancer of  
25 the mouth and the throat. In that group of patients



1 I would say that 95 to 98 percent are tobacco users  
2 in one form or another.

3 Q. Doctor Westbrook, have you ever done any  
4 independent research regarding the use of snuff in  
5 oral cancer?

6 A. I have not done any laboratory research  
7 where you work with animals, but by being located in  
8 Arkansas, we started seeing a very large number of  
9 people that had what appeared to us to be very  
10 typical lesions. In fact, if you go back through the  
11 charts for 20 years, at most cancer institutions you  
12 see an array of snuff dipper's carcinoma or snuff  
13 dipper's cancer.

14 As a result of seeing several of these  
15 patients, we became interested in trying to establish  
16 whether we thought there really was a relationship  
17 between snuff and oral cancer of a particular type  
18 and also what the features of that particular type of  
19 cancer were.

20 So, yes, we did a study in which we took a  
21 group of women that had a particular type of cancer.  
22 They had cancer that was located either on their  
23 upper gum, their cheek or their lower gum. Now, the  
24 reason we selected that is because from our past  
25 experience just in dealing with patients, those were

1 the ones that we were convinced were snuff -- were  
2 related to dipping snuff.

3 MS. DESCHAMPS-BRALY: Your Honor, may I  
4 approach the witness?

5 THE COURT: (Nodding yes).

6 Q. (BY MS. DESCHAMPS-BRALY) Doctor Westbrook,  
7 let me hand you what has been marked as Plaintiff's  
8 Exhibit 25. Would you please tell us what that is.

9 A. That's a copy of the paper that resulted  
10 from our work and from our presentation.

11 Q. Would you please explain to us some of the  
12 methods and what you did in order to carry out this  
13 study.

14 A. We took a 20-year period from 1955 through  
15 1975, I think it was, and we identified every patient  
16 that was seen in our hospital, every female patient  
17 that had cancer either of the upper gum, the cheek or  
18 the lower gum.

19 And then we -- there were 55 patients in  
20 that group. And then we matched those with patients  
21 of the same sex, obviously, which were just only  
22 females of the same race and of the same age, and we  
23 had the people in medical records simply  
24 take -- when patients come into our hospital, they  
25 are assigned a number, so the number just keeps

1 getting higher and higher.

2 So we took the next patient in sequence that  
3 met those criteria, that is, same age, same sex, same  
4 race, and we used them as our control group. That  
5 was the best we could do for a control group.

6 We then looked at the two groups of patients  
7 with regard to the factors that are felt to be  
8 important in the development of head and neck  
9 cancer -- tobacco, alcohol, the way dentures fit,  
10 whether or not they had teeth in poor condition. And  
11 in this group, obviously, it became very obvious that  
12 snuff was a causative factor in these patients. 50  
13 of the 55 women were chronic users of snuff; whereas,  
14 in our control group there was only one patient that  
15 was a chronic user of snuff to our knowledge.

16 Now, this was done from medical records, and  
17 there could be a little error in it, but still there  
18 would not be an error of the magnitude of the  
19 difference in 50 users versus one user.

20 Q. Doctor, would you read the name of the study  
21 that you have in front of you, please.

22 A. "Snuff Dipper's Carcinoma: Fact or  
23 Fiction."

24 Q. And the year of that study?

25 A. It was published in 1980. It was presented

1 in 1976 at an international conference on cancer.

2 Q. And, sir, do you adopt the statements in  
3 that study as your statement here in court today?

4 A. Yes, ma'am.

5 MS. DESCHAMPS-BRALY: Your Honor, I would  
6 move the admission of this study into evidence.

7 THE COURT: Any objection?

8 MR. JENNINGS: No objection, Your Honor.

9 THE COURT: Plaintiff's 25 -- is it 25 --

10 THE WITNESS: Yes, sir.

11 THE COURT: -- will be admitted.

12 Q. (BY MS. DESCHAMPS-BRALY) Doctor Westbrook,  
13 as we are starting out right now, could you explain  
14 the difference? We have been referring since this  
15 case started to what is known as squamous cell  
16 carcinoma. There is another type called verrucous  
17 carcinoma. Could you explain the difference between  
18 those two types of cancers, please.

19 A. Well, let me use -- may I use the board,  
20 sir?

21 THE COURT: (Nodding yes).

22 Q. (BY MS. DESCHAMPS-BRALY) Do you need a  
23 marker?

24 A. There is some kind of marker. If you would  
25 have a heavy black marker, I would rather have it.

1 (Handed to the witness).

2 A. The lining of the oral cavity is what's  
3 called squamous epithelium, and that means if you  
4 look at it under the microscope and this is the top,  
5 there are a lot of cells with the kind of shape  
6 something like this.

7 Now, when something goes wrong and cancer  
8 develops from those cells, then it is called a  
9 squamous cell carcinoma. So these are squamous  
10 cells, and when they develop with cancer, it is  
11 called squamous cell carcinoma. Verrucal carcinoma  
12 is a variant of squamous cell carcinoma.

13 Squamous cell carcinoma can look almost like  
14 the normal cells, or it can look very wild. And  
15 verrucal carcinoma is a variant in which these cells  
16 become real heaped up, and if you look at the lesion  
17 grossly, it is quiet and warty and if you look at it  
18 under the microscope, it may actually look like it is  
19 not invading, because under that layer of cells is a  
20 membrane under the microscope that is called the  
21 basement membrane.

22 And frequently what is called a verrucal  
23 carcinoma will just kind of grow on top of that  
24 membrane. But it's another type of squamous cell  
25 carcinoma. Then other squamous cell carcinomas can.

1 be classified based on how nearly they look like  
2 normal cells.

3 You can even say that they are well-  
4 differentiated, in which case they look normal. You  
5 can say they are poorly differentiated, in which case  
6 they look abnormal. Or you can say they are  
7 undifferentiated, in which case you can just barely  
8 tell that they are squamous cells. So basically  
9 that's what squamous cell carcinoma is.

10 Q. Doctor Westbrook, could you explain what  
11 happens when these squamous cell carcinomas start to  
12 invade.

13 A. Let's just take a fairly typical squamous  
14 cell carcinoma. All of the oral cavity is lined with  
15 squamous cells. 99 percent of the cancers that occur  
16 in the mouth occur from these cells, so they are  
17 called squamous cell carcinoma.

18 Regardless of the type of cancer it is, if  
19 enough time goes by, it breaks through that basement  
20 membrane, and then in addition it starts to destroy  
21 normal cells and it can either become heaped up or if  
22 the cells start dying off, instead of coming across  
23 and heaping up, it can become ulcerated and look like  
24 or it can become a combination of the two. So that's  
25 what can happen locally.

1           Then in addition those cells can break loose  
2       from where they are and get into the bloodstream and  
3       go all the over body, but more commonly, more  
4       commonly, let's say that this is one of the tongue.  
5       Here is the tongue, and you have got a cancer on it.  
6       After it invades into the tongue or at the same time  
7       or even before, cells can break loose and get into  
8       what is called the lymphatics.

9           Now, the lymphatics are tiny channels in  
10      your body that when the blood circulates, some of the  
11      fluid in the blood leaks out into the tissue and  
12      doesn't go back to the heart through the blood  
13      vessels, but rather gets into what's called little  
14      lymphatic channels and goes back and eventually gets  
15      into the vein through these lymphatic channels.

16           And those channels drain through what you  
17      and I usually call kernels. Those are the little  
18      lymph nodes. When you get a sore throat, you get a  
19      knot in your throat. That is a kernel or lymph node.

20      So lymphatic channels drain through lymph nodes.

21           So some fix breaks through a cancer, and  
22      gets into the lymphatic channel. They can come down  
23      here to a lymph node and get hung up in a lymph node  
24      because it acts like a filter, and then they can  
25      develop a secondary cancer in the lymph node, and the

1 primary cancer is up here.

2 So the cancer that develops grows locally in  
3 the tongue, and in half of the patients or something  
4 like that cells break loose and go to the lymph  
5 nodes.

6 Q. Thank you, Doctor. Doctor Westbrook, do you  
7 have an opinion as to whether snuff is a cause of  
8 oral cancer?

9 A. Oh, I don't think there's any question about  
10 that. I think that based on my experience --

11 Q. That was my next question, sir.

12 A. Based on my experience, you know, I see  
13 certain lesions that either I can walk in or I can  
14 take one of my other associates and have them walk in  
15 and look at this lesion, and they will say, "That  
16 patient dips snuff," and they will be right 90  
17 percent of the time.

18 From the literature I think you know there  
19 is plenty of evidence in the literature that snuff  
20 causes cancer. The phrase "snuff dipper's carcinoma"  
21 is all through the literature. From a scientific  
22 standpoint, basedly, you know, I don't try to read  
23 all the articles in the literature, but I depend upon  
24 groups of people that come together and review the  
25 literature and issue official opinions. And there



1 have been two major opinions issued on this problem  
2 within the last year or two.

3 Q. What are those, Doctor?

4 A. The International Agency for the Research on  
5 Cancer, the IARC, has issued a large monograph in  
6 which they say basically that snuff causes oral  
7 cancer. Then there was a consensus panel held in  
8 Washington this year, sponsored by the National  
9 Cancer Institute, and the conclusion was there that  
10 the evidence is very strong that snuff causes oral  
11 cancer.

12 So when you get a group of scientists  
13 together and they analyze everything that is  
14 available to them and they come out with a very firm  
15 position, then I'm certainly not going to argue with  
16 them.

17 Q. Thank you, Doctor. Let me move you along  
18 now to something that is of particular interest in  
19 this courtroom, and that is Sean Marsee. Have you  
20 had the opportunity to review the medical records of  
21 Marvin Sean Marsee?

22 A. I have reviewed his record.

23 Q. Did that include his pediatric records?

24 A. It included a summary of the visits that he  
25 had made to a physician all his life, I guess.

1 Q. After having done that, Doctor Westbrook, do  
2 you have an opinion as to what caused Sean Marsee's  
3 oral cancer?

4 A. In my opinion Sean Marsee's oral cancer was  
5 caused by dipping snuff.

6 Q. And on what do you base that opinion, sir?

7 A. Well, I start out with the position that it  
8 is pretty clearly demonstrated that snuff causes oral  
9 cancer. I don't think there is going to be any real  
10 question about that. Then we have a young man that  
11 dipped snuff for six or seven years in a very heavy  
12 fashion. He develops an oral cancer close to where  
13 the snuff was held. I see no other explanation.

14 I think you would have to really -- it would  
15 take a heap of faith to try to find another cause for  
16 that cancer. You would really have to hunt around to  
17 try to explain it any other way, because when you got  
18 a known etiologic agent, you have got known exposure  
19 and you have got a squamous cell carcinoma that  
20 develops in that area, there's no reason to look for  
21 another explanation.

22 Q. Now, Doctor, are you aware that there are  
23 some people who do develop mouth cancer without the  
24 use of tobacco?

25 A. Certainly.

1 Q. Did you take this into account in reaching  
2 your decision as to what you felt was the cause of  
3 Sean Marsee's cancer?

4 A. Yes, I took that into account, but when you  
5 have an obvious etiological agent, you know, you  
6 don't start saying, "Well, it is unexplainable." For  
7 example, you know, if you took 15-year-old boys that  
8 just dropped dead, the most common cause would be  
9 that their heart has an arrhythmia for some reason.  
10 But if you were sitting in your home and there was a  
11 thunderstorm going on and a child walked across the  
12 field and you saw him struck by lightning, you would  
13 make the assumption that the lightning killed him  
14 rather than that he had heart disease and just had an  
15 arrhythmia.

16 So the same thing is true here. When you  
17 got an obvious etiological agent, I don't see any  
18 reason to go fishing.

19 Q. Doctor Westbrook, have you had occasion to  
20 talk with Doctor Carl Hook?

21 A. Yes, ma'am.

22 Q. About Sean Marsee?

23 A. Yes, ma'am.

24 Q. Do you remember approximately when that  
25 conversation took place?

1           A.     Time is not one of my better areas. I think  
2 it was three or four months ago.

3           Q.     Are you aware of the treatment that was  
4 rendered to Sean --

5           A.     Yes, ma'am.

6           Q.     -- by Doctor Hook?

7           A.     Yes, ma'am.

8           Q.     Have you had some charts prepared under your  
9 supervision that show the progress of Sean's disease?

10          A.     I have drawings that were made based on the  
11 descriptions from the medical records and the  
12 photographs that were made by Doctor Hook.

13          Q.     And are these fair and accurate  
14 representations --

15          A.     Yes, ma'am.

16          Q.     -- of what those records reflect?

17                 Doctor, let me hand you what are Plaintiff's  
18 Exhibits 34-a through e, and I think they are in  
19 reverse order.

20          A.     We can take care of that.

21          Q.     All right.

22          A.     We will start at the bottom and work up.  
23 That should do it, shouldn't it?

24          Q.     Yes, sir.

25                 MR. JENNINGS: Before they show them to the

1 jury, I would like the opportunity to make a record.

2 MS. DESCHAMPS-BRALY: I'm sorry, Mr.  
3 Jennings. Of course.

4 THE COURT: Do you want to ask further  
5 questions?

6 MR. JENNINGS: I wonder, do you have  
7 photographs of the charts that --

8 MS. DESCHAMPS-BRALY: I do not.

9 MR. BRALY: They were furnished.

10 MS. DESCHAMPS-BRALY: They have been  
11 furnished to you previously.

12 THE COURT: Come on up.

13 (The following proceedings were had AT THE SIDE  
14 BAR.)

15 MS. DESCHAMPS-BRALY: At the time that we  
16 exchanged copies and so forth of the exhibits, they  
17 received photographs of these charts, but I don't  
18 have any pictures of them with me today.

19 THE COURT: Okay.

20 MR. JENNINGS: Of course, we made objections  
21 to those at the time that they were listed.

22 MS. DESCHAMPS-BRALY: Right.

23 THE COURT: What is your objection?

24 MR. JENNINGS: If the Court please, I need  
25 to see specific charts in order to make specific

1 objections.

2 MR. JENNINGS: If the Court please, we  
3 object to that chart because it is somebody's  
4 conception of what happens with regard to the  
5 tobacco, and it is going to be taken by the jury as  
6 showing what in fact did happen.

7 MS. DESCHAMPS-BRALY: Your Honor, his  
8 testimony is -- I'm sorry, Mr. Jennings.

9 MR. FINNEGAN: Mrs. Marsee testified he put  
10 the snuff up here, Your Honor. I mean she pointed to  
11 that area.

12 THE COURT: I am not even sure what I am  
13 looking at.

14 MS. DESCHAMPS-BRALY: Now, this is the  
15 tongue right here. This is a retractor, pulling the  
16 cheek back like this so you can see the teeth.

17 MR. FINNEGAN: Is this the front of the  
18 mouth, Mrs. Braly.

19 MS. DESCHAMPS-BRALY: That is the front of  
20 the mouth.

21 MR. FINNEGAN: This exhibit shows that he  
22 had it to the side. There is no testimony --

23 MR. FINNEGAN: There is no testimony by  
24 anybody that saw him dipping -- that differs from  
25 the fact that it was up in the front of the mouth,

1 from the middle to the side.

2 MS. DESCHAMPS-BRALY: The testimony, Doctor  
3 Carl Hook has testified where Sean told him that he  
4 put the snuff in connection with his treatment. This  
5 gentleman is going to testify only that this  
6 represents what he has ascertained from the medical  
7 records.

8 THE COURT: Isn't that what Doctor Hook  
9 said?

10 MR. FINNEGAN: Doctor Hook testified that he  
11 put it in the right side and this is the right side  
12 and the only person that -- he testified that Sean  
13 never showed him exactly where. He only told him  
14 that he put it on the right side. Mrs. Marsee, the  
15 plaintiff in this lawsuit, has testified and pointed  
16 to the part from here to here (indicating) at least  
17 four times.

18 MR. JENNINGS: If the Court please, the  
19 portion of the exhibit that I particularly object to  
20 is showing the stain on the side of the tongue.  
21 There is absolutely no testimony that there was ever  
22 such a condition at the time, and that is an effort  
23 by use of the exhibit to try to convince the jury  
24 that something happened about which there is no  
25 evidence.

1 MS. DESCHAMPS-BRALY: Your Honor, we have  
2 had one witness who testifies that you can't dip  
3 snuff without getting it on your tongue. Doctor  
4 Westbrook is going to testify to the very same thing,  
5 and the fact that they disagree doesn't make it not  
6 relevant.

7 THE COURT: What is this supposed to  
8 reflect?

9 MR. JENNINGS: That's what I want to know.

10 MS. DESCHAMPS-BRALY: That is supposed to  
11 reflect the tobacco juice that gets on the tongue.

12 MR. FINNEGAN: There is no evidence, Your  
13 Honor, that Sean Marsee had tobacco juice on the side  
14 of his tongue.

15 THE COURT: Is there any doubt that he  
16 would?

17 MR. FINNEGAN: Yes, there is, Your Honor,  
18 yes, there is, of course.

19 MR. JENNINGS: That indicates that he had  
20 tobacco right on side of his tongue and no place  
21 else, Your Honor. That's the whole point. It is  
22 misleading to the jury.

23 THE COURT: Let me see what else you have  
24 got.

25 MR. JENNINGS: You don't mind covering that,



1 do you, George?

2 MS. DESCHAMPS-BRALY: Your Honor, this  
3 illustration represents the leukoplakia as found by  
4 Doctor Balz on January 11, 1983.

5 MR. JENNINGS: If the Court please, as far  
6 as I know, Doctor Balz was the only one who saw  
7 leukoplakia. If he describes a condition such as is  
8 shown there, then this would be admissible.

9 THE COURT: All right. I think -- I have  
10 read his deposition and --

11 MS. DESCHAMPS-BRALY: His medical records  
12 say --

13 THE COURT: That it did?

14 MR. JENNINGS: If the Court please, what I  
15 mean, if he will say that this is an accurate  
16 representation of what he saw, then I think it is  
17 entirely admissible.

18 THE COURT: This witness didn't see it.

19 MR. BRALY: He didn't --

20 MS. DESCHAMPS-BRALY: No.

21 MR. BRALY: -- rely on the medical records  
22 to interpret exhibits, Your Honor.

23 THE COURT: Do you have an objection to this  
24 exhibit or not?

25 MR. JENNINGS: I have an objection unless

1 Doctor Balz says or somebody who knows says that it  
2 accurately portrays the condition he saw.

3 MR. FINNEGAN: Your Honor, the lateral  
4 border of the tongue, that is from the back to the  
5 front, and they have chosen to put it in a particular  
6 spot. And only Doctor Balz can testify as to where  
7 it was, whether it was back there or whether it was  
8 here (indicating).

9 THE COURT: What's next?

10 MS. DESCHAMPS-BRALY: This illustrates the  
11 ulcer on the tongue as taken from Carl Hook's  
12 photograph.

13 MR. JENNINGS: I have no objection to that.

14 THE COURT: All right.

15 MS. DESCHAMPS-BRALY: Shall we go through  
16 the other two then?

17 THE COURT: (Nodding yes).

18 MS. DESCHAMPS-BRALY: This one represents  
19 the portion of the tongue that was removed by Carl  
20 Hook.

21 MR. JENNINGS: I have no objection to that.

22 THE COURT: That would be D, C and D, no  
23 objection.

24 THE CLERK: What is the first number?

25 MS. DESCHAMPS-BRALY: 34-a through e.

1           This is after -- from the Carl Hook  
2           photographs he sewed up what he took out.

3           MR. JENNINGS: No objection.

4           MR. FINNEGAN: No objection to that.

5           THE COURT: Let's go back to the first two.

6           MR. FINNEGAN: Your Honor, may it please the  
7           Court, Doctor Hook's medical records indicate that  
8           the boy's mouth was clean, aside from the cancer on  
9           the tongue. This would suggest that there is tobacco  
10          juice on the boy's tongue, and there is no evidence  
11          that Sean Marsee had that kind of situation.

12          MS. DESCHAMPS-BRALY: I don't have that --  
13          By "clean mouth," he was referring to the mouth that  
14          he had no gum recession.

15          THE COURT: How are you going to use this?

16          MR. BRALY: A natural progression from the  
17          contact with the carcinogen to the premalignant  
18          leukoplakia that that was reported on the right  
19          lateral portion of the gingiva by Doctor Balz in Sean  
20          Marsee's medical records to the ulcerated lesion on  
21          the right lateral border of the tongue that's in  
22          Doctor Hook's medical records and of which we have a  
23          photograph.

24          MR. FINNEGAN: Your Honor, they have created  
25          an impression here of putting the snuff in a place .

1 different from where Mrs. Marsee testified that he  
2 held the snuff. They are showing tobacco, some kind  
3 of a stain on the tongue, and there is no evidence  
4 that Sean Marsee had that kind of a stain. This is  
5 an impactful picture. This is prejudicial, and it is  
6 not supported by the evidence in this case, Your  
7 Honor.

8 MS. DESCHAMPS-BRALY: It may be, as you say,  
9 Mr. Finnegan that there is a conflict of testimony, I  
10 don't believe there is, but you are entitled to your  
11 opinion, that is for the jury to decide.

12 MR. FINNEGAN: There is no testimony by  
13 anyone who saw Sean put it there or who examined him  
14 and saw it there. The testimony of Doctor Hook was  
15 that it was on the right side. That's as far as he  
16 went.

17 THE COURT: That doesn't particularly --

18 MS. DESCHAMP-BRALY: He said next to the  
19 molar.

20 THE COURT: That doesn't particularly  
21 disturb me. This did (indicating). I am going to  
22 sustain the objection to this exhibit, because I just  
23 don't think there is any evidence of a discoloration  
24 or stain.

25 MR. BRALY: It is not discoloration; it is.

1 just representing the natural tobacco juice.

2 THE COURT: I understand. Sustain the  
3 objection.

4 MR. BRALY: We want to make an offer of  
5 proof.

6 THE COURT: All right.

7 MR. BRALY: Comes now the plaintiff and with  
8 Exhibit 34-a, we will substitute a photographic copy  
9 for the record of a normal size, we move the offering  
10 of the exhibit for the purpose of showing the natural  
11 progression of the disease. The exhibit is supported  
12 by the testimony of John Martin, who was just on the  
13 witness stand, who testified that the tobacco just  
14 gets all over your mouth and it would be supported by  
15 the witness who would testify that this is typical of  
16 these that he sees, fairly represents it and would be  
17 useful and helpful for the jury if nothing else as a  
18 demonstrative exhibit.

19 MR. JENNINGS: Now, if the Court please, the  
20 only basis of my objection to this exhibit is that I  
21 do not know whether or not it accurately shows what  
22 Doctor Balz saw. If Doctor Balz says it shows  
23 accurately what he saw, I will withdraw my objection  
24 to it, but I do not know that at the moment and I  
25 don't think how any other witness can tell you what

1 Doctor Balz saw.

2 THE COURT: Do we know, do the medical  
3 records indicate where the leukoplakia was?

4 MR. FINNEGAN: Not except on --

5 THE COURT: Let's don't all talk at one  
6 time.

7 MR. FINNEGAN: It indicates that it is on  
8 the right lateral tongue, but it doesn't tell how big  
9 it is or where on the right lateral tongue. I mean  
10 are you talking about something that long  
11 (indicating), maybe longer, and the medical records  
12 indicate that it was here, indicate the size of it.  
13 Our only objection is --

14 THE COURT: I certainly think that can be  
15 handled on cross-examination. I am going to overrule  
16 the objection to that, so is that B --

17 MR. BRALY: Yes.

18 THE COURT: 34-B-C,-D and-E will all be  
19 exited. 34-A the objection will be sustained (The  
20 following proceedings were had, IN OPEN COURT.)

21 THE COURT: Plaintiffs 34-B,-C,-D, and E will  
22 be admitted.

23 Q. (BY MS. DESCHAMPS-BRALY) Doctor Westbrook,  
24 on what has been marked as Plaintiff's Exhibit 34-A.  
25 Would you please put that up there on the chart?

1 A. This is 34-B; 34-A was the one --

2 Q. 34-B?

3 A. -- disallowed.

4 Q. 34-B. Would you please put that up there on  
5 the chart.

6 A. (Witness complies).

7 Q. Doctor Westbrook, I believe I handed you  
8 some pictures that have already been admitted into  
9 evidence as exhibits. Do you have those with you?

10 A. There are some photographs laying here. Are  
11 these the ones you are talking about?

12 Q. Yes, sir.

13 A. Yes.

14 Q. Have you seen those photographs before?

15 A. Yes, ma'am.

16 Q. When did you have the occasion to see those?

17 A. That's been probably a year ago.

18 Q. And how did they come into your possession?

19 A. I guess that you or Mr. Braly mailed them to  
20 me, and I looked at them and then made xerox copies  
21 and returned them to you.

22 Q. Doctor, do you have any knowledge whether  
23 Sean Marsee ever had a leukoplakia on his tongue?

24 A. From the medical record, when he went to the  
25 Little Dixie Clinic, I guess in January of '83, he

1 was told that he had leukoplakia and it is described  
2 in the medical record.

3 Q. Now, Doctor, is that illustration up there  
4 on the board a showing of what a leukoplakia would  
5 look like?

6 A. Leukoplakia just means white patch. That's  
7 what the word means. And this is to demonstrate a  
8 white patch on the tongue. Leukoplakia can either be  
9 flat or it can be heaped up a little bit, but that is  
10 to demonstrate simply a white patch on the tongue.

11 Q. Now, Doctor, you do not know precisely where  
12 the leukoplakia was on Sean's tongue, do you?

13 A. I did not see the patient, all I know is  
14 from the medical record.

15 Q. All right. And what did the medical record  
16 state was the location of the leukoplakia?

17 A. As I remember, it was on the lateral edge of  
18 the right side of his tongue, about half way back.

19 Q. Could you explain to us exactly what the  
20 portion of the tongue is that is shown in that  
21 illustration?

22 A. The tongue when you look in the mouth, the  
23 tongue that you see is called the oral tongue. And  
24 basically everything you see here is the oral  
25 tongue. This would be the tip. This would be the



1 line down the top of the tongue, and this would be  
2 the edge out towards the cheek. So the leukoplakia  
3 is located, the best I can tell from the description,  
4 on the edge of the tongue next to the right jawbone  
5 and the right cheek.

6 Q. Doctor Westbrook, what is the significance  
7 of having a leukoplakia?

8 A. Leukoplakia is felt to be a reaction to some  
9 type of irritant, because any -- you know, a similar  
10 description might be a callus that you get on your  
11 finger, if you use it all the time in doing  
12 something. A callus you get on your foot. So really  
13 leukoplakia is a reaction of the mucosa to a chronic  
14 irritation. It is a white patch and it's felt that  
15 it is a premalignant lesion. And no one really knows  
16 what percentage of these patients go on and get  
17 cancer. The literature would say somewhere in the  
18 range of 5 percent.

19 Q. And Doctor Westbrook, I understand from what  
20 you have said previously that you have seen a lot of  
21 snuff users in your practice, is that correct?

22 A. Yes, ma'am.

23 Q. Do you know of your own knowledge whether a  
24 person who dips snuff would get snuff and/or tobacco  
25 juice on their tongue?

1           A.     Well, anything that is in the mouth gets  
2     onto the tongue. For example, the saliva that we  
3     have in our mouth. Most of that saliva comes from  
4     these big glands right here (indicating) and it  
5     empties in right here, but it always spills over into  
6     the floor of the mouth and then we either swallow it  
7     or spit it out. The saliva doesn't stay out of it  
8     here; it either goes down or comes out.

9                     So anything that is located out here  
10    naturally gravitates to the lowest place in the  
11    mouth, which is the floor of the mouth, and the  
12    tongue forms one side of that and the teeth form the  
13    other side of it. It is kind after a gutter,  
14    cesspool.

15           Q.     Since you have been practicing, have you  
16    seen any change in the number of leukoplakias that  
17    come through your office?

18           A.     We have not seen any real change in the  
19    number of older patients with leukoplakia, but we are  
20    seeing an increasing number of young people with  
21    leukoplakia.

22                     This week one of my associates saw two young  
23    women that were referred to her from a pediatrician,  
24    both of these young ladies had had cancer of some  
25    sort, treated by this pediatric oncologist. They had

1 started dipping snuff. They had developed terrible  
2 leukoplakia. She sent them to one of my associates  
3 saying they have got leukoplakia and I don't want  
4 them getting another cancer after I have cured them  
5 of one.

6 Q. Doctor, in this particular illustration that  
7 is on the board and in the case of Sean Marsee, what  
8 significance do you attach to a leukoplakia on the  
9 tongue of an 18 year old boy has been a snuff dipper  
10 for approximately six years?

11 A. Oh, I think his using the snuff, I think  
12 there has been a recent article published in CA, a  
13 little publication by the American Cancer Society  
14 where they studied teenagers that dipped snuff and  
15 they found mucosal changes in about 60 percent of  
16 those people that dipped snuff. Now, by mucosal  
17 changes, some of them were leukoplakia, some of them  
18 turned red. Everyone does not respond to anything  
19 the same way. One patient will respond to a chronic  
20 irritant by getting a red spot. Another one will get  
21 a white spot and some don't get anything.

22 Q. Sir, could I have you take what is now  
23 marked as Plaintiff's Exhibit C, I believe, and put  
24 that up on the board.

25 A. (Witness complies).

1 Q. Could you tell us, Doctor Westbrook what  
2 that illustration is intended to show?

3 A. That is to show the lesion as Doctor Hook  
4 first saw it, I guess, in -- was it May or April,  
5 April, when he first saw it.

6 Q. Yes, sir.

7 A. And it is based on a photograph that he took  
8 at that time (indicating). So this shows a change in  
9 the area and he described a change in that instead of  
10 seeing a white patch, then he saw an ulcerated area  
11 with reaction around it that looked suspicious to  
12 him.

13 Q. You do not know for sure, of course, that  
14 the ulcer is in precisely the same place that Doctor  
15 Balz reported the leukoplakia to be; is that correct?

16 A. No, but as far as I can tell from the  
17 record, the leukoplakia was gone and leukoplakia  
18 usually doesn't go away if the stimulus is still  
19 there. So I assume that the ulcer developed in the  
20 side of the leukoplakia, but I don't know that.

21 Q. Sir, what significance do you attach to an  
22 ulcer on the side of a tongue of an 18 year old young  
23 man who has been a snuff dipper and who has had a  
24 leukoplakia in approximately the same location?

25 A. I think one would have been to be very

1 suspicious that this is a squamous cell carcinoma.

2 Q. Doctor Westbrook, let me ask you at this  
3 time whether you have an opinion as to the treatment  
4 that Doctor Carl Hook rendered to Sean Marsee. Was  
5 that proper medical treatment, in your opinion?

6 A. I think the next two exhibits show that  
7 treatment. Would you like to go through them first  
8 and then have me comment on the treatment?

9 Q. Well, if you would answer the question, and  
10 we will go ahead and do it, if that would be all  
11 right with you?

12 A. All right. The treatment that he did was in  
13 my opinion very satisfactory and very acceptable  
14 treatment.

15 Q. Would you now take what has been marked as  
16 Plaintiff's Exhibit C and put that up on the chart?

17 A. We are to D. B action C action D.

18 Q. D, you are right?

19 A. We lost A.

20 Q. Doctor, don't go back in the chair yet.  
21 Could you please tell us what that illustration is  
22 intended to show?

23 A. Okay. This is the mouth. It is pulled  
24 open. This is the tongue. This is the mid portion  
25 of the tongue and this is the tip of the tongue. And

1     what this shows is what's called a partial  
2     glossectomy or a removal of a portion of the tongue.  
3     The mucosa has been cut. The tongue is the most  
4     muscular organ in the body. So everything that you  
5     see underneath there is muscle. So this is where a  
6     small portion of the tongue has been taken off.

7           Q.     Doctor Westbrook, in that illustration it  
8     shows that the tip of the tongue has been preserved.

9           A.     That's correct.

10          Q.     Correct?

11          A.     (Nodding yes).

12          Q.     Can you tell me whether it is important to  
13     attempt to preserve the tip of the tongue and if so  
14     why?

15          A.     Speech is better if you preserve the tip of  
16     the tongue. Swallowing is better if you preserve the  
17     tip of the tongue. You can get by without it, but,  
18     in general, the more tongue you have the better, up  
19     to extreme positions, I guess.

20          Q.     Thank you, sir. Would you take the next  
21     exhibit and I think I have got it straight this time,  
22     34-E.

23                   And can you tell us, please, what that  
24     illustrates?

25          A.     That simply shows the way you repair the

1 tongue when you do a partial glossectomy. It is a  
2 very simple repair. You just simply pull the two  
3 edges together and suture them up. The tongue heals  
4 beautifully, it's got a tremendous blood supply.

5 Q. Thank you, Doctor, I will let you sit back  
6 down now.

7 Doctor Westbrook, would you have treated  
8 Sean Marsee any differently if he had been your  
9 patient?

10 A. No, ma'am.

11 Q. What about the 41-day delay between the time  
12 that he first saw Carl Hook and the date of the  
13 operation?

14 A. Well, in general, when you see someone that  
15 has a suspicious lesion that you think is cancer, you  
16 would like to go ahead and treat it as soon as  
17 possible. However, when you start to treat a cancer,  
18 you have to take into account the patient that it is  
19 in, what their wishes and desires are, and what harm  
20 would be done by some delay. I know of no evidence  
21 anywhere in the literature that a six weeks delay  
22 alters the outcome in head and neck cancer. In many  
23 major centers, if you try to refer a patient to major  
24 head and neck cancer center, such as Memorial in New  
25 York, it may be three weeks before you can even get.

1 an appointment with one of the doctors there, then  
2 once he sees you, it may be another couple of weeks  
3 before you get on the schedule. So I don't think  
4 that the six weeks delay is of any significance.

5 Q. All right. Doctor Westbrook, let me move on  
6 and ask you a general question. Do the vast majority  
7 of people who use snuff get oral cancer?

8 A. No.

9 Q. Do some people who don't use tobacco get  
10 oral cancer?

11 A. Yes.

12 Q. Does everybody who is exposed to hepatitis  
13 virus develop hepatitis?

14 A. No.

15 Q. Doctor, everybody who gets hepatitis gets it  
16 from the hepatitis virus?

17 A. No. There are other causes of hepatitis.

18 Q. Doctor Westbrook, are there young people who  
19 do not use tobacco who get oral cancer?

20 A. Yes.

21 Q. Is cancer of the mouth in a young person any  
22 different a disease than cancer of the mouth in an  
23 older individual?

24 A. It is no different in its appearance, in its  
25 appearance under the' microscope, in its behavior or



1 the way we treat it. So in general I'd say that  
2 there is no difference in the disease.

3 Q. Doctor Westbrook, speaking from your  
4 experience as a surgical oncologist, do you believe  
5 that Sean Marsee would have developed the tongue  
6 cancer that ultimately killed him if he had not  
7 dipped snuff?

8 A. I certainly do not.

9 Q. And my final question. Do you know of any  
10 worse way to die than head and neck cancer?

11 MR. JENNINGS: If the Court please, I object  
12 to that.

13 THE COURT: Overruled.

14 A. I think that terminal head and neck cancer  
15 is probably one of the worst ways that you can die.  
16 You wind up unable to eat, unable to talk, unable to  
17 breathe. You smell foul and people cannot go in the  
18 room with you, but yet your brain is still working  
19 and you understand everything that is going on about  
20 it. Among cancer patients probably the suicide rate  
21 is probably higher among head and neck cancer  
22 patients than any other group of cancer patients.

23 MS. DESCHAMPS-BRALY: I have no further  
24 questions.

25 THE COURT: Ladies and gentlemen, we will

1 take our noon recess. At this time, we will recess  
2 until 1:30, remembering my usually admonitions to you  
3 you will be excused until 1:30 and everyone remain  
4 seated until the jury exits until 1:30.

5 Court will be in recess.  
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